

IP-FORMER

Order No. 1000249



IP audio decoder

The IP-FORMER converts passive speakers into network speakers and thus enables audio streaming via the Internet to existing passive speakers.

Due to its compact design, the IP-FORMER can be mounted directly to the existing passive speaker by using the transformer bracket. The built-in 8 W class D digital audio amplifier delivers high-quality audio signals to the connected wall speaker, ceiling speaker or desktop speaker (2-8 Ω).

The IP-FORMER is powered by an external Power over Ethernet power supply (PoE, IEEE 802.3af).

As a decoder, the IP-FORMER enables audio streaming from radio stations, telephones and intercoms, making it suitable for speakers to play background music and for live announcements, e.g. in schools, office buildings, in the retail trade or for announcements based on the SIP protocol (Session Initiation Protocol).

- Programming and management via web browser
- Supports audio formats, e.g. MP3, MPEG-4, linear PCM, G.711, G.722, GSM, Opus, etc.
- LAN connection, Ethernet RJ45, 10/100 Mbps
- Screw terminals for speakers and microphone
- Impedance of the connected speaker: 2-8 Ω
- Power supply via PoE (IEEE 802.3af)
- LED status indicator



Model	IP-FORMER
Description	IP audio decoder
Power supply	PoE, IEEE802.3af via external power supply (e.g. POE-130MID)
Dimensions	52 x 66 x 40 mm
Weight	172 g
Connections	RJ45 (LAN), screw terminals (speakers, microphone)

SIP Speakers from 2N®

For playing live messages or scheduled messages. It not only allows you to replay your messages from an IP telephone, you can also play them from your mobile phone or smartphone if a suitable IP control panel is used. Features of a complex audio system with SIP protocol. No further investments required for hardware or software, e.g. a PC.

SIP-SPEAK/SW

Order No. 0175010



SIP-SPEAK/WS

Order No. 0175020



Active SIP speakers

- White (WS) or black (SW) plastic housing
- Integrated amplifier
- Impedance: 8 Ω with an output power of 8 W (with PoE) or 12 W (with power supply via 12 V power supply)
- Supports IP PBX (SIP)
- Server-free audio solution, operation also possible without separate server
- Easy installation via network cable to an existing PoE switch
- Configuration via Web interface or a program
- LAN/WAN connection, Ethernet RJ45; 10/100 Mbps
- Live messages or scheduled messages
- Reserve proxy server in case of control panel failure
- Pivoting mounting bracket for wall mounting
- Power supply via PoE (IEEE 802.3af) or external power supply (= 12 V/2 A)
- Matching power supply is available at option
- 2N® Network Scanner app and 2N® IP Audio Manager are available



Model	SIP-SPEAK/SW	SIP-SPEAK/WS
Transmission technology	LAN, SIP	LAN, SIP
Power rating (RMS)	8 W (PoE) 12 W (12 V)	8 W (PoE) 12 W (12 V)
Impedance	8 Ω	8 Ω
Frequency range	75-20,000 Hz	75-20,000 Hz
THD	0.05%	0.05%
Power supply	PoE or = 12 V/2 A	PoE or = 12 V/2 A
Dimensions	176 x 250 x 143 mm	176 x 250 x 143 mm
Weight	2.3 kg	2.3 kg
Inputs	RJ45, DC in	RJ45, DC in
Outputs	SPK out	SPK out